**Product Information Sheet for HM-1055**

**Rothia mucilaginosa, Strain CC87LB**

**Catalog No. HM-1055**

For research use only. Not for use in humans.

**Contributor:**
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**Manufacturer:**
BEI Resources

**Product Description:**

**Bacteria Classification:** Micrococccaceae, Rothia

**Species:** Rothia mucilaginosa

**Strain:** CC87LB

**Original Source:** Rothia mucilaginosa (R. mucilaginosa), strain CC87LB was isolated in October 2010 from colonic biopsy tissue of a human subject in Victoria, British Columbia, Canada.1,2

**Comments:** R. mucilaginosa, strain CC87LB (HMP ID 1179) is a reference genome for The Human Microbiome Project (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of R. mucilaginosa, strain CC87LB is currently being sequenced at the Broad Institute.

**Note:** HMP material is taxonomically classified by the depositor. Quality control of these materials is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material.

R. mucilaginosa is a Gram-positive, aerobic or facultative anaerobic, non-motile, non-spore-forming coccobacillus that is part of the normal flora of the human oropharynx and upper respiratory tract. R. mucilaginosa is considered to be an organism of low virulence; however, it is seen as an emerging opportunistic pathogen, mostly affecting immunocompromised patients.3-6

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Brain Heart Infusion broth supplemented with 10% glycerol.

**Note:** If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**

HM-1055 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Incubation:**

Temperature: 37°C

**Atmosphere:** Aerobic

**Propagation:**

1. Keep the vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant, and/or plate at 37°C for 1 day.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: Rothia mucilaginosa, Strain CC87LB, HM-1055.”

**Biosafety Level:** 1


**Disclaimers:**

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References:
2. HMP ID 1179 (Rothia mucilaginosa, strain CC87LB)

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